

2



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/693,910	10/28/2003	Takashi Yamazaki	008312-0306572	3980
909	7590	11/10/2004	EXAMINER	
PILLSBURY WINTHROP, LLP			JARRETT, RYAN A	
P.O. BOX 10500			ART UNIT	
MCLEAN, VA 22102			PAPER NUMBER	
			2125	
DATE MAILED: 11/10/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

2

**Office Action Summary**

Application No.

10/693,910

Applicant(s)

YAMAZAKI ET AL.

Examiner

Ryan A. Jarrett

Art Unit

2125

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 October 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 28 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification does not adequately describe the functionality of the "screen setting button" and what it is used for.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 3, 5-10, and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by JP2001-129864 to Meiki Co. Ltd. ("Meiki").

Meiki discloses a control device for controlling an industrial machine, comprising: a registrant information storing portion that stores registrant information of registrants of

Art Unit: 2125

the device; a registrant recognition portion configured to receive user information input from a user of the industrial machine and determine whether the user of the industrial machine is a registrant of the device by matching the input user information with the registrant information stored in the registrant information storing portion (e.g., [0011], [0028], [0036]);

an operation condition setting portion configured to output a setting of at least one operating condition of the industrial machine inputted from the registrant of the device (e.g., [0040];

a permission control portion configured with at least two internal states including a setting inhibition state that prohibits the operation condition setting portion from outputting the setting of the at least one operating condition of the industrial machine (e.g., [0050], [0054], [0055]); and

a display portion that displays information on a screen display (e.g., [0030]);

wherein the screen display is divided into at least two regions such that each of the two regions display information to the registrant of the device to control the industrial machine (e.g., [0030], [0039], [0058]).

The device of claim 1, wherein the permission control portion has a second setting inhibition state that prohibits the operation condition setting portion from outputting a setting of another operating condition of the industrial machine which is different from the at least one operating condition of the industrial machine (e.g., [0050], [0054], [0055]).

The device of claim 1, wherein the registrant information includes an identification code and a password (e.g., [0003], [0030]).

The device of claim 1, wherein the registrant information includes parameters selected from the group consisting of a fingerprint, a voiceprint, an iris, a personal image, and a vein pattern (e.g., [0050]).

The device of claim 1, wherein the industrial machine includes any one machine selected from the group consisting of an injection molder (e.g., [0050]), an extruder, a machine tool, a die casting machine, a robot, a semiconductor manufacturing device, and a printing device.

The device of claim 1, wherein the industrial machine is an injection molder and the at least one operating condition of the industrial machine is a molding condition of the injection molder (e.g., [0050]).

The device of claim 1, further comprising: an operating condition storing portion that receives and stores the setting of the at least one operating condition of the industrial machine outputted by the operating condition setting portion e.g., [0011], [0028], [0036], [0040]).

The device of claim 1, wherein the two regions of the screen display are a main screen region and a sub screen region (e.g., the "setting window" of [0039]).

The device of claim 1, wherein the display portion further comprises a fingerprint biometrical authentication unit; wherein the registrant information includes an identification code and fingerprint data, and wherein the registrant recognition portion performs biometrical authentication processing without an input of the identification

code when the fingerprint biometrical authentication unit is touched with a finger of the registrant of the device (e.g., [0050], [0054]).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2, 11-19, 21-23, and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP2001-129864 to Meiki Co. Ltd. ("Meiki"), and further in view of JP2001-145947 to Toshiba Machine Co. Ltd. ("Toshiba", provided by Applicant). Meiki does not explicitly disclose most of the features of claims 10-19, 21-23, and 27, including a display portion configuration including: a main screen memory that stores image information of the main screen region; a sub screen memory that stores image information of the sub screen region; a screen data memory that stores image information of the screen display, the screen data memory being different from the main screen memory and the sub screen memory; and a screen display unit configured to display the image information of the screen data memory on the screen display.

However, Meiki in combination with Toshiba teach the features of claims 11-19, 21-23, and 27 (e.g., [0011], [0022], Fig. 1, Fig. 2 of Toshiba). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Meiki with Toshiba since Toshiba teaches that the aforementioned display

portion configuration does not hide the main screen and can combine the main screen and the sub screen freely, and consequently does not have a complicated actuation. The configuration can also carry out a screen display of the information which a user needs, and can efficiently perform a setup of the process condition of an injection molding machine, and the check of an operation situation (e.g., [0007]).

Meiki in view of Toshiba additionally disclose a log display portion that provides the display portion with setting log data based on setting data outputted from an operating condition setting portion, wherein the display portion displays the setting log data provided by the log display portion (e.g., [0018], [0024], Fig. 3, Fig. 4 of Toshiba).

7. Claims 4, 20, 24-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Meiki as applied to claim 1 above, and further in view of Fogle et al. US 2003/0074590. Meiki does not specifically disclose a lock button that activates the setting inhibition state, or an unlock button that displays a window for inputting user information when touched. However, Fogle et al. discloses a computer system with an improved lock mode that allows a user to manually lock the computer by pressing a dedicated button (e.g., [0031]). The user can also unlock the computer by pressing a button and entering a password (e.g., [0044]). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Meiki with Fogle et al. since Fogle et al. teaches that a lock button and an unlock button can prevent unauthorized users from accessing information on the computer.

8. Claim 29 is rejected under 35 U.S.C. 103(a) as being unpatentable over Meiki in view of Toshiba as applied to claim 2 above, and further in view of Machida U.S. Patent No. 6,718,378. Meiki in view of Toshiba does not specifically disclose that the log screen comprises identification codes of persons who performed set operations. However, Machida et al. discloses a setting log screen for an industrial device comprising identification codes of persons who performed set operations on the industrial device (e.g., Fig. 47). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify Meiki v. Toshiba with Machida since Machida teaches that a setting log comprising user ID codes allows system users to see the changes that different users made to system settings at what time, thus increasing user accountability.

### ***Conclusion***

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any




Art Unit: 2125

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ryan A. Jarrett whose telephone number is (571) 272-3742. The examiner can normally be reached on 10:00-6:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on (571) 272-3749. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ryan A. Jarrett  
Examiner  
Art Unit 2125

11/2/04

LEO PICARD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100